

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14560

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B29C47/34 B29C47/00 B65H23/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B29C B65H B41F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 658 506 A (TABAC FAB REUNIES SA) 21 June 1995 (1995-06-21) abstract column 5, line 49 - column 6, line 2 claims 1-7; figures 1-4	1-6
Y	---	7
X	US 3 744 693 A (GREINER H) 10 July 1973 (1973-07-10) the whole document	1-4
X	US 5 979 731 A (LONG MICHAEL ET AL) 9 November 1999 (1999-11-09) column 4, line 8 - line 20 claims 11-14; figures 1-3	1-4

	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

23 April 2004

Date of mailing of the international search report

04/05/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Jensen, K

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14560

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 05, 30 June 1995 (1995-06-30) & JP 07 053102 A (TOYO INK MFG CO LTD), 28 February 1995 (1995-02-28) abstract ---	1-4
Y	DE 44 40 647 A (WINDMOELLER & HOELSCHER) 15 May 1996 (1996-05-15) cited in the application	7
A	figures 5,6 ---	1-6
A	PATENT ABSTRACTS OF JAPAN vol. 010, no. 227 (M-505), 7 August 1986 (1986-08-07) & JP 61 061828 A (SEKISUI CHEM CO LTD), 29 March 1986 (1986-03-29) abstract -----	1-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/14560

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0658506	A	21-06-1995	EP 0658506 A1	21-06-1995
			US 5827166 A	27-10-1998
US 3744693	A	10-07-1973	CH 538935 A	15-07-1973
			DE 2026355 B	18-11-1971
			FR 2089358 A5	07-01-1972
			GB 1310327 A	21-03-1973
			SE 382015 B	12-01-1976
US 5979731	A	09-11-1999	EP 0705785 A2	10-04-1996
			JP 8188311 A	23-07-1996
JP 07053102	A	28-02-1995	JP 3060791 B2	10-07-2000
DE 4440647	A	15-05-1996	DE 4440647 A1	15-05-1996
			AT 191393 T	15-04-2000
			BR 9505192 A	28-10-1997
			CA 2162408 A1	15-05-1996
			DE 59508128 D1	11-05-2000
			EP 0711648 A2	15-05-1996
			ES 2144088 T3	01-06-2000
			JP 8207136 A	13-08-1996
			US 5674540 A	07-10-1997
JP 61061828	A	29-03-1986	NONE	